QUICK START GUIDE

TOTAL VIEW ONE M-Series

REVISION R1.07

PRESINET SYSTEMS

PREMIUM NETWORK INTELLIGENCE

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Safety Instructions

The following information relates to the safety of installation and maintenance personnel. Read all instructions before attempting to unpack, install or operate this equipment, especially before connecting the power adapter. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not apply power before installation or when disconnecting this product from its original system setup.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Locate a safe and dry location to place this product. Keep it away from wet surfaces/surroundings.
- Never push an object of any kind into this product through openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces. Do not allow anything to rest on the power cabling or allow it to be damaged by persons walking on it.
- Distance your working area from moist floors, ungrounded power extension cables, and unavailable safety grounds.
- Avoid installation of this product during a lighting storm.
- Damages caused by electrostatic discharge may result in total or intermittent system failures. To minimize the possibility of ESD damage, an anti-static strap is highly recommended.
- When cleaning or servicing this unit, avoid using highly toxic or aerosol cleaners. Use a clean damp cloth when wiping its surfaces.
- Do not place this device in a tight and sealed location. Place the unit where it can access sufficient airflow to its vent holes (openings along its sides). Never block or cover these openings.
- Do not disassemble this product on your own.

Warranty

TOTAL VIEW ONE Models M250, M500, and M1000 are provided with replacement hardware warranty for one year from the date of receipt. Please visit www.PresiNET.com for warranty terms and conditions.

Getting Technical Assistance

Should you encounter questions or problems with your TOTAL VIEW ONE Appliance, PresiNET Systems is ready to assist you within the guidelines of our product support programs. First, check the electronic product documentation for assistance. If you still cannot find the solution to your problem, contact the PresiNET support team with the following information handy:

- Model name
- Part number
- Local network configuration details
- The abnormal behavior and/or error messages reported by your network system
- Your questions, or a description of the problem you are experiencing

Call, fax, or e-mail PresiNET Systems for technical support.
Phone: 250-405-5368
Fax: 250-405-5362
E-mail: support@PresiNET.com

Note : You must register your TOTAL VIEW ONE Appliance with PresiNET to receive technical support

Rack Installation

Unpacking

You should inspect the box the TOTAL VIEW ONE Appliance was shipped in and note if it was damaged in any way. If the appliance itself shows damage, you should file a damage claim with the carrier who delivered it.

Included with your TOTAL VIEW ONE Appliance should be:

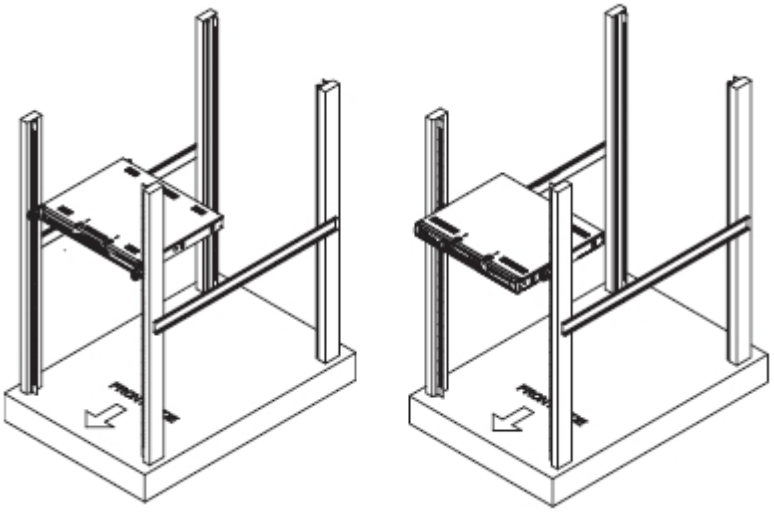
- One TOTAL VIEW ONE Appliance with mounting ears attached,
- One 6 foot power supply
- Two 6 foot network cables
- Six screws (for mounting)
- One 3 foot crossover cable.

If any of these are missing, please contact your vendor.

Rack Installation

The TOTAL VIEW ONE appliance comes with two rack mounting brackets, one on each side at the front of the chassis. To mount the system into a rack, simply screw these brackets directly to the front of the rack (two screws for each bracket). As the picture below shows, the brackets can be located at the front of the chassis (left figure) or moved approximately one-third to the rear of the chassis (right figure).

Installing TOTAL VIEW ONE into a Rack



- Leave enough clearance in front of the rack to enable you to open the front door completely (25 inches)
- Leave approximately 30 inches of clearance in the back of the rack to allow for sufficient air flow and ease in servicing.

- This product is for installation only in a Restricted Access Location (dedicated equipment rooms, service closets and the like).Equipment should be mounted into a rack so that the amount of air flow required for safe operation is not compromised.
- Equipment should be mounted into a rack so that a hazardous condition does not arise due to uneven mechanical loading.
- Consideration should be given to the connection of the equipment to the power supply circuitry and the effect that any possible overloading of circuits might have on over current protection and power supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- Basic electrical safety precautions should be followed to protect yourself from harm and the TOTAL VIEW ONE server from damage
- Be aware of the locations of the power on/off switch on the chassis as well as the room's emergency power-off switch, disconnection switch or electrical outlet. If an electrical accident occurs, you can then quickly remove power from the system.
- The power supply power cords must include a grounding plug and must be plugged into grounded electrical outlets.

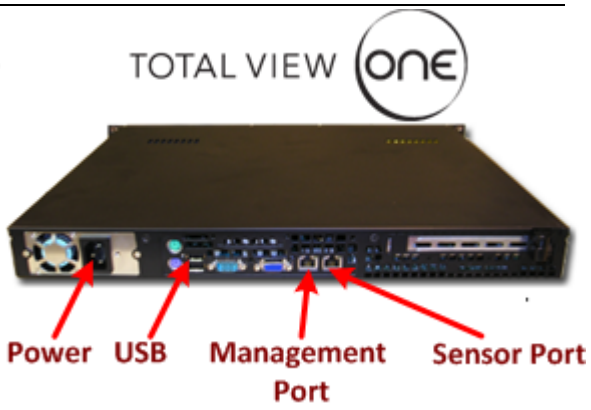
When you are finished, connect the power supply to the rear of the appliance, and plug it into your power source.

You have completed installation of your TOTAL VIEW ONE Appliance. Please refer to the TOTAL VIEW ONE Setup manual for instructions on how to connect your Appliance to a switch in your network.

Port Specifications

TOTAL VIEW ONE (M250, M500, M1000 and M2000) the following interface specification:

(1) – Power Outlet,
(2) – USB Interfaces
(3) – Management Port and
(4) – Sensor Port



Setup Introduction

The Quick Start Guide gives you the information you need to execute the most common implementation for TOTAL VIEW ONE. For other implementation options, please read the "monitoring theory" section in the User Manual.

The Quick Start Guide will show you how to:

- Connect to the TOTAL VIEW ONE Appliance;
- Configure the TOTAL VIEW ONE Appliance so that it will monitor the internet link going to your firewall (as an example).

Step 1 - Preparation – VERY IMPORTANT

You will need to complete the following preparation tasks to **successfully install** your TOTAL VIEW ONE Appliance:

1) Do you have a managed switch that supports port replication / port mirroring?

   a. Identify the link on the switch you wish to monitor and replicate a port on the switch at that link. For example, you can monitoring the Internet Link going to your firewall, so you will replicate a port on that switch (*please refer to your switch manual on port replication or port spanning or port mirroring*).
   ***NOTE:* Only managed Switches or Routers have the ability to do port replication. Please ensure that the switch has port replication capability.**

   b. *If you don't have a managed switch that supports port replication, you may use a HUB or a network Ethernet TAP.*

2) You will also need the following information to configure your TOTAL VIEW ONE Appliance:

   a. Identify the VLANS that are on your switch;

   b. The IP address and subnet mask on your network you wish to assign to the sensor for web access;

   c. The gateway IP of your router to allow access to the internet for updates;

   d. The subnets (Monitored Networks) you wish the TOTAL VIEW ONE Appliance to monitor;

   e. The IP addresses of any DNS , mail, and NTP servers you wish to use with your TOTAL VIEW ONE Appliance; and

   f. Your time zone.

Step 2 – Default Configuration

TOTAL VIEW ONE ships with a default configuration in order to access the setup menu and configure the appliance for your network.

Default IP Address	= 192.168.1.1
Default SUBNET MASK	= 255.255.255.0
Default Gateway	= 192.168.1.254
Default SENSOR ACCOUNT	= TOTAL VIEW ONE
Administrator account	**=** Admin (Note: Case sensitive)
Administrator password	**=** password (Note: Case sensitive)

Step 3 – Accessing TOTAL VIEW ONE

To configure the TOTAL VIEW ONE appliance, you will need to access the device using the Default Configuration Information above.

1. Turn on the TOTAL VIEW ONE Appliance;

2. Connect directly to the Appliance using the crossover cable provided, from a laptop or workstation outside of the network, to "**Port 1"** on the Sensor, using the crossover cable provided;

3. Open a web browser;

4. Access the TOTAL VIEW ONE Appliance by entering the Default IP address (**192.168.1.1**) into your browser;

5. A TOTAL VIEW ONE login page will appear. Use the username "Admin" (case sensitive), and the default password "password" to login as administrator.

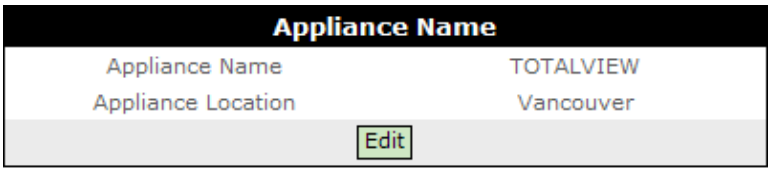
Step 4 - Activation

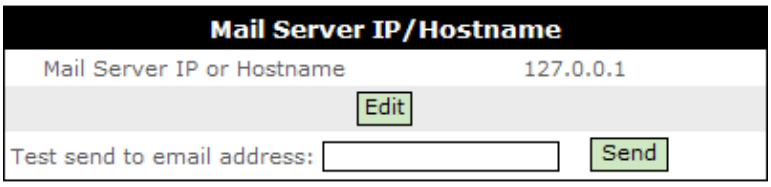
TOTAL VIEW ONE will now ask that you activate your appliance. Enter the key code printed on the last page of this manual in the field provided, then click on the "Activate" button.

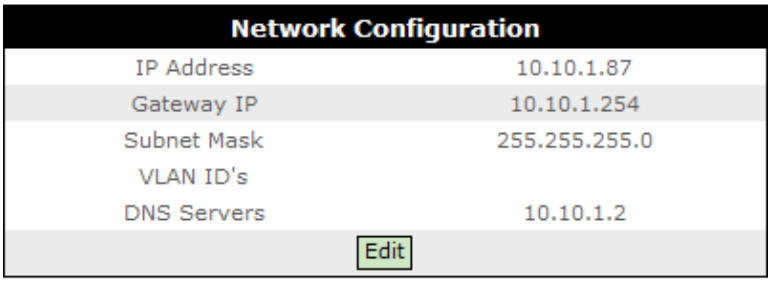
Step 5 – Configure the System

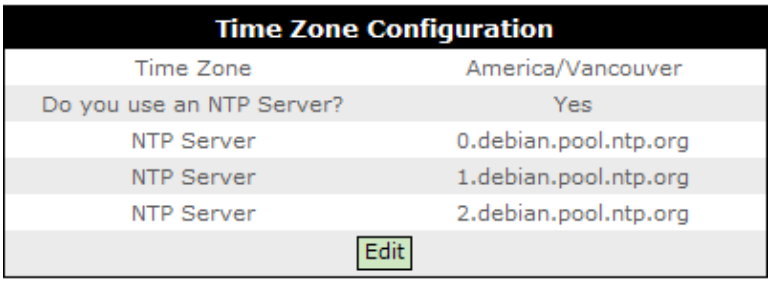
Now that you have successfully activated your TOTAL VIEW ONE Appliance, you will be taken to the “Setup” page, where you will edit the default configuration

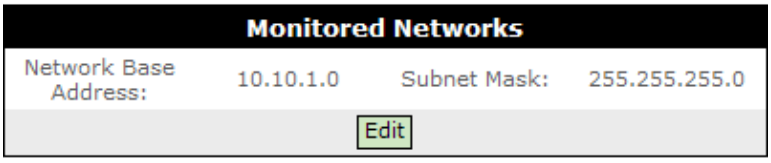
1) Edit the configuration information by pressing the “Edit” button in the various sections.

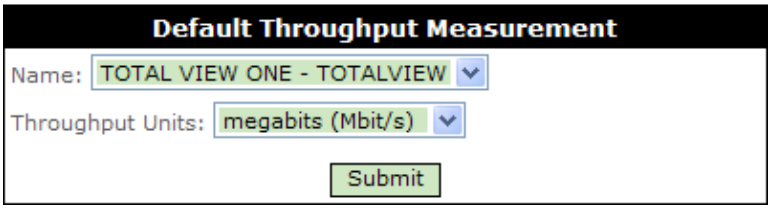






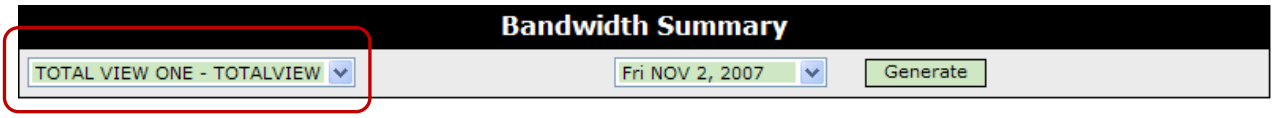




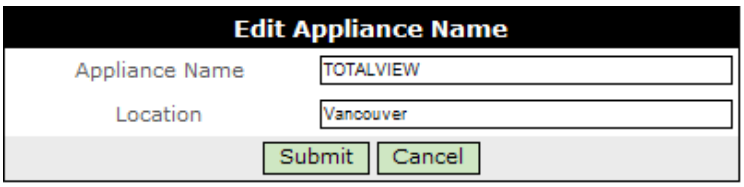


Appliance Name Configuration

The Appliance name is the name you set, and will be displayed in the client pull down menu.

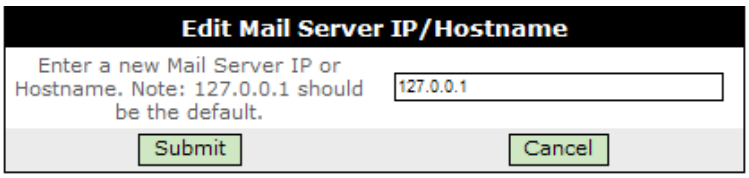


To edit the Client name, press the "Edit" button, enter the new name and the appliance location, and press "Submit".



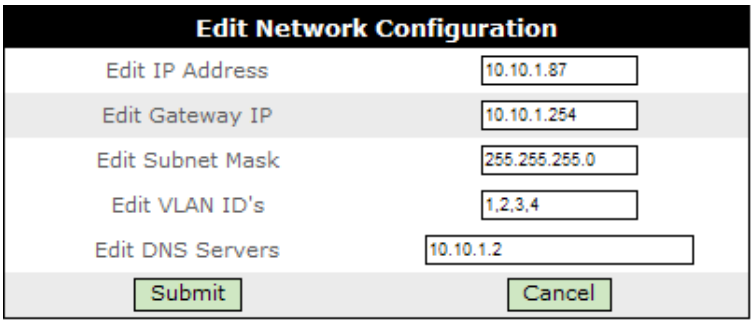
Mail Server IP / Hostname

This is where you will set the Mail Server IP so that alerts can be sent from the TOTAL VIEW ONE Appliance.


Edit Mail Server IP/Hostname
Enter a new Mail Server IP or Hostname. Note: 127.0.0.1 should be the default.
127.0.0.1
Submit
Cancel

Network Configuration Table

The network configuration table assigns the information necessary for the TOTAL VIEW ONE appliance to communicate within your network. To edit the Network Configuration Table, press the "Edit" button



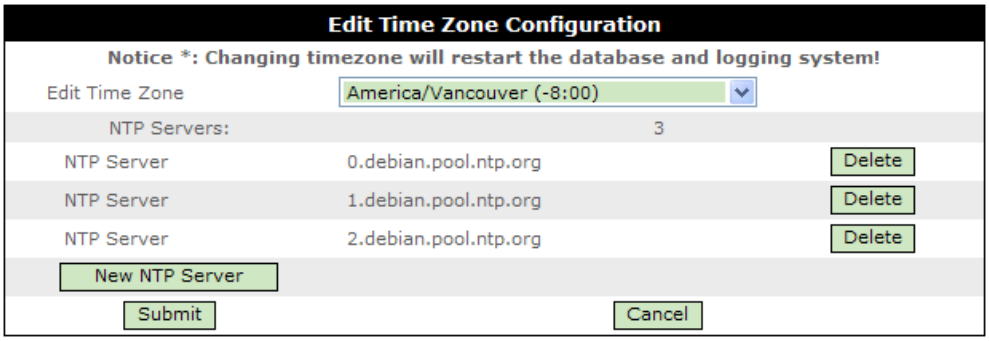
1) First, edit the IP address. The IP Address is the address you want the TOTAL VIEW ONE appliance to be. **THIS IS THE SAME ADDRESS YOU WILL USE TO CONTACT THE APPLIANCE VIA YOUR WEB BROWSER**.
2) The Gateway IP identifies the address of the router to allow access to the Internet
3) The Subnet mask identifies the IP range in your network.
4) Enter the VLANs on your switch you want to monitor (separate by commas or spaces for lists and separate by colon ":" for ranges
5) The DNS Servers field identifies the IPs of your DNS servers.

IMPORTANT: Once the "Submit" button is pressed, you will lose the connection to the TOTAL VIEW ONE appliance as it implements the new configuration settings and re-configures itself to the new network. To regain access to TOTAL VIEW ONE, reconfigure your computer to the new network and reconnect to TOTAL VIEW ONE by entering the new IP address you configured into the URI of your browser. You will connect your TOTAL VIEW ONE Appliance to your network to regain access.

Time Zone Configuration Table

The Time Zone table is used to set the Time Zone and set the NTP (Network Time Protocol) options. Keeping accurate time is important to having accurate reports.

To set the time zone, press the "Edit" button. Enter the Time Zone from the pull down menu. If required, you can modify NTP servers by deleting or adding new servers.



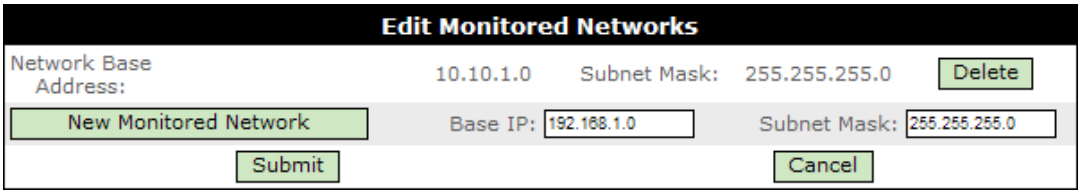
Press the "Submit" button when you are finished.

Monitored Network

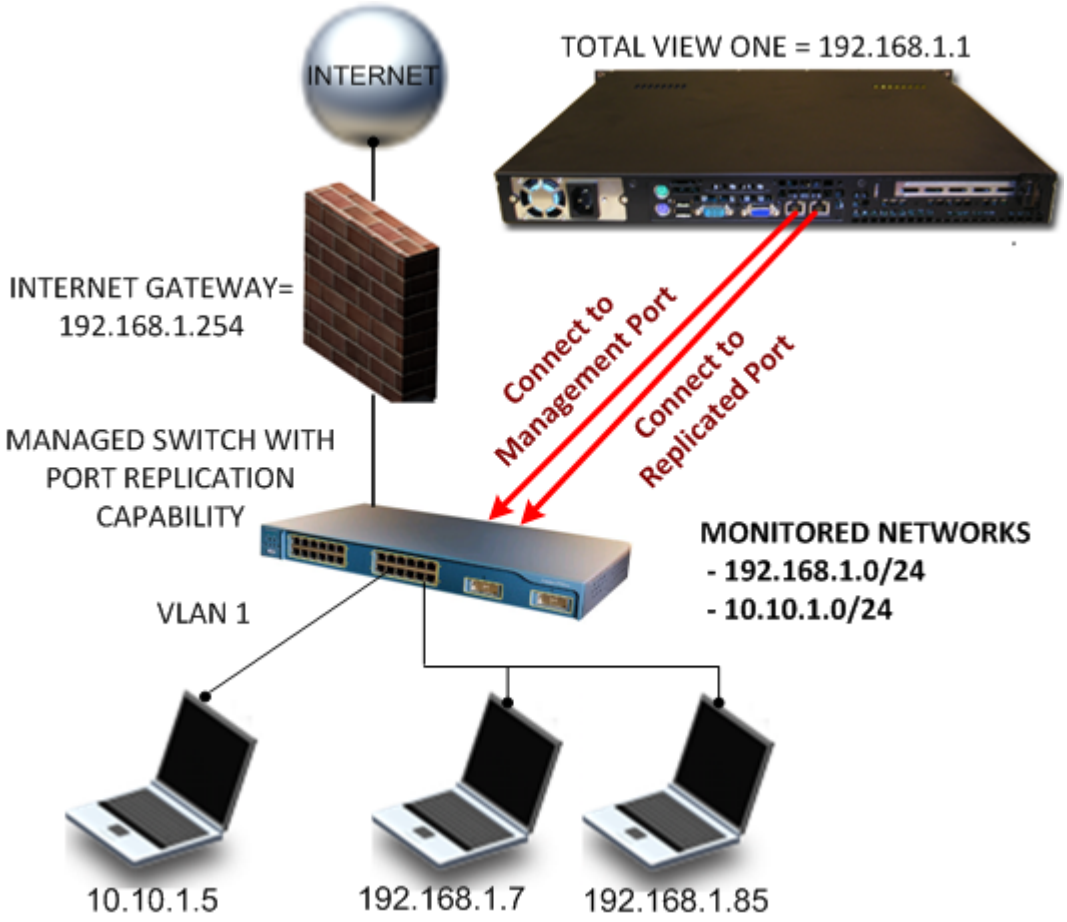
This section is used to set the Monitored Network. **If this is not done correctly, your TOTAL VIEW ONE appliance will not collect the appropriate information. We strongly suggest you review the "Monitoring Theory" in the User Manual.**

The Monitored Network is the subnets within your network you wish to monitor. The "Monitoring Theory" section of your user manual provides specific information about setting up the monitored network in order to collect the specific data you require. In a typical gateway implementation, for example, you would set the Monitored Network to include the IP ranges of the devices in the network, the gateway IP as the internet router.
User traffic will be originating from the workstations within the Monitored Network to the Internet and External traffic will be originating from the Internet going to the Monitored Network.

Click on the "Edit" button in the Monitored Network Section to add or delete Monitored Networks.



To add a new network to be monitored, press the "New Monitored Network" button. Enter in the "Base IP" address of the network you want to monitor, and its subnet mask (e.g. 255.255.255.0). If you have VLANs you want to monitor, ensure you are adding them as Monitored Networks.



Press the Submit button to save the changes.

Your TOTAL VIEW ONE Appliance is now configured to monitor your network.

Please visit www.PresiNET.com for the most current version of the TOTAL VIEW ONE User Manual, to guide you through TOTAL VIEW ONE administration and the TOTAL VIEW ONE Web Portal.

Step 6 - Connecting to your Network

You are now ready to connect your TOTAL VIEW ONE Appliance to the network.

1. First, power down the TOTAL VIEW ONE Appliance, and disconnect it from your laptop.
2. If you haven't already done so, mount the appliance to a rack using the screws provided to you in the accessory kit with your TOTAL VIEW ONE Appliance
3. Using the network cables provided, connect the Management Port to any LAN Port on your switch, and
4. Connect the Sensor Port to the replicated port on your switch
5. Plug the TOTAL VIEW ONE Appliance into a power source, and power up the Appliance

Once the appliance is powered on, open a web browser and enter the IP of the TOTAL VIEW ONE appliance. You will again be taken to the TOTAL VIEW ONE Web Portal, where you can continue editing configuration information.

Specifications

System Input Requirements

AC Input Voltage: 100-240V AC auto-range
Rated Input Current: 4A max
Rated Input Frequency: 50 to 60 Hz

Power Supply

Rated Output Power: 280W
Rated Output Voltages: +3.3V (15A), +5V (25A), +12V (18A), -12V (1A), +5Vsb (2A)

Power Output

280W

Chassis

Form Factor: Mini 1U rackmount
Dimensions: 43.7 x 36.9 x 4.3 cm. (17.2" x 14.5" x 1.7")

Weight

Gross: M250 6.4 kg (14 lbs), M500 6.4kg (14 lbs), M1000 6.9kg (15.2 lbs), M2000, 6.9 kg (15.2 lbs)

Operating Environment

Operating Temperature: 10º to 35º C (50º to 95º F)
Non-operating Temperature: -40º to 70º C (-40º to 158º F)
Operating Relative Humidity: 8% to 90% (non-condensing)
Non-operating Relative Humidity: 5 to 95% (non-condensing)

Regulatory Compliance

Electromagnetic Emissions:
FCC Class B, EN 55022 Class B, EN 61000-3-2/3-3, CISPR 22 Class B

Electromagnetic Immunity

EN 55024/CISPR 24, (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11)

Safety

EN 60950/IEC 60950-Compliant,
UL Listed (USA), CUL Listed (Canada),
TUV Certified (Germany),
CE Marking (Europe)

Liabilities and Disclaimer

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Activation Code

Activation Code:

Revision History :

November 1, 2007 –

p 9 Added intro questionnairre :

p 7 Changed dimensions specs :

Dimensions: 43.7 x 36.9 x 4.3 cm. (17.2" x 14.5" x 1.7")

Gross: M250 6.4 kg (14 lbs), M500 6.4kg (14 lbs), M1000 6.9kg

P 13 – changed network diagram

P 15 – added text "In a typical gateway implementation, you would set the Monitored Network to include the IP ranges of the devices in the network, the gateway IP as the internet router.

User traffic will be originating from the workstations, External traffic will be originating from the internet."

P 16 – Added text "If you have VLANs you want to monitor, ensure you are adding them as Monitored Networks."

- Added network diagram